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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/718,666	11/24/2003	Ming-Cheng Chang	CHAN3232/EM	1606	
23364	7590 01/11/2006		EXAM	EXAMINER	
BACON & THOMAS, PLLC			KANG, DO	KANG, DONGHEE	
625 SLATERS LANE FOURTH FLOOR		ART UNIT	PAPER NUMBER		
ALEXANDR	ALEXANDRIA, VA 22314				
			DATE MAILED: 01/11/2000	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	(Applicants)			
Office Action Summany		Application No.	Applicant(s)			
		10/718,666	CHANG, MING-CHENG			
	Office Action Summary	Examiner	Art Unit			
.		Donghee Kang	2811			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL' CHEVER IS LONGER, FROM THE MAILING Donsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Depend for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timwill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
2a)⊠	Responsive to communication(s) filed on <u>27 O</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	s action is non-final. nce except for formal matters, pro				
Dispositi	ion of Claims					
5) □ 6) ⊠ 7) □ 8) □ Applicat 9) □ 10) □	Claim(s) 1.2.4 and 5 is/are pending in the apple 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1.2.4 and 5 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or are subject to restriction and/or are subjected to by the Examine The drawing(s) filed on is/are: a) according a control of the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine Replacement drawing sheet(s) including the correct The oath or declaration is objecte	wn from consideration. or election requirement. er. epted or b) objected to by the I drawing(s) be held in abeyance. See tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority (under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice 3) Information	et(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) er No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:				

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-2 & 4-5 are rejected under 35 U.S.C. 102(b) as being anticipated by Wada (US 6,198,151).

Wada teaches a semiconductor memory device comprising (Figs. 1-2):

A plurality of bit lines (Fig.1); a plurality of gates (wordlines, Fig.1) intersecting with said bit lines; a plurality of active areas (Fig.1), each of which is connected to one of said bit lines; a plurality of deep trenches (202 & 203 & Fig.2), at least one (202) of which communicates with only two different active areas (111 & 112) which are respectively connected with two adjacent two of said bit lines (BL1 & BL1'), wherein the cross section of said trench communicated with said two different active areas.

Response to Arguments

3. Applicant's arguments with respect to claims 1-2 & 4-5 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

Art Unit: 2811

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the 5. examiner should be directed to Donghee Kang whose telephone number is 571-272-1656. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

Art Unit: 2811

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Emy Pofr Donghee Kang, Ph.D. Primary Examiner

Art Unit 2811

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